

NOTICE OF DRAFTSPERSON'S PATENT DRAWING REVIEW

The drawing(s) submitted date 7-26-01 are:

A. ☒ approved by the Draftsperson under 37 CFR 1.84(c)(1)(2).

B. ☒ corrected by the Draftsperson under 37 CFR 1.84(c)(1)(2) for the reasons indicated below. The Examiner will require submission of the corrected drawings when they are submitted following receipt of the instructions on the back of this notice.

<p>1. DRAWINGS: 37 CFR 1.84(c). Acceptable color drawings: <input type="checkbox"/> Black ink color. <input type="checkbox"/> Color drawings are not acceptable until perfection is reached. <input type="checkbox"/> Figures: <input type="checkbox"/> Pencil and non black ink not permitted. Figures: _____</p> <p>2. PHOTOGRAPHS: 37 CFR 1.84(c). <input type="checkbox"/> If a 110 series is required. Figures: <input type="checkbox"/> Photographs may not be mounted. 37 CFR 1.84(c). <input type="checkbox"/> Poor quality photo. Figures: _____</p> <p>3. TYPE OF PAPER: 37 CFR 1.84(c). <input type="checkbox"/> Paper not flammable, strong, white, and durable. <input type="checkbox"/> Figures: <input type="checkbox"/> Erasures, corrections, overstrikes, and other marks. <input type="checkbox"/> If a copy machine makes it acceptable. Figures: _____ <input type="checkbox"/> Marking on paper is not acceptable. Figures: _____</p> <p>4. SIZE OF PAPER: 37 CFR 1.84(c). Acceptable sizes: <input type="checkbox"/> 21 cm by 29.7 cm (A4 size). <input type="checkbox"/> 21.6 cm by 27.9 cm (8.12 x 11 inches). <input type="checkbox"/> All drawing sheets not the same size. <input type="checkbox"/> Sheets: <input type="checkbox"/> Drawings sheets not in acceptable size. Figures: _____</p> <p>5. MARGINS: 37 CFR 1.84(c). Acceptable margins: <input type="checkbox"/> Top: 2.5 cm; Left: 2.5 cm; Right: 1.5 cm; Bottom: 1.0 cm. <input type="checkbox"/> SIZE: A4 size. <input type="checkbox"/> Top: 2.5 cm; Left: 2.5 cm; Right: 1.5 cm; Bottom: 1.0 cm. <input type="checkbox"/> SIZE: 8.12 x 11. <input type="checkbox"/> Margins: Acceptable. Figures: _____ <input type="checkbox"/> Top: L; Left: L; <input type="checkbox"/> Right: R; Bottom: B.</p> <p>6. VIEWS: 37 CFR 1.84(c). <input type="checkbox"/> REMINDER: If a duplication may be a reference to corresponding drawings changes. <input type="checkbox"/> Particulars: 37 CFR 1.84(c)(2). <input type="checkbox"/> Brackets used to show figure as one entity. <input type="checkbox"/> Figures: <input type="checkbox"/> Views not labeled separately or properly. <input type="checkbox"/> Figures: <input type="checkbox"/> Enlarged views not labeled separately or properly. <input type="checkbox"/> Figures: _____</p> <p>SECTIONAL VIEWS: 37 CFR 1.84(c)(3). <input type="checkbox"/> Hatching not indicated for section portions of an object. <input type="checkbox"/> Figures: <input type="checkbox"/> Sectional designation should be noted with Arabic numeral. <input type="checkbox"/> Roman numerals. Figures: _____</p>	<p>8. ARRANGEMENT OF VIEWS: 37 CFR 1.84(c). <input type="checkbox"/> Views do not appear in a horizontal, left-to-right fashion when page is either upright or turned so that the top becomes the right side, except for graphs. Figures: _____</p> <p>9. SCALE: 37 CFR 1.84(c). <input type="checkbox"/> Scale not large enough to show mechanism without crowding when drawing is reduced in size to two-thirds in reproduction. <input type="checkbox"/> Figures: _____</p> <p>10. CHARACTER OF LINES, NUMBERS, & LETTERS: 37 CFR 1.84(c). <input type="checkbox"/> Lines, numbers & letters not uniformly thick and well defined, clean, durable, and black upon line quality. <input type="checkbox"/> Figures: _____</p> <p>11. SHADING: 37 CFR 1.84(c). <input type="checkbox"/> Non black areas pale. Figures: _____ <input type="checkbox"/> Solid black shading not permitted. Figures: _____ <input type="checkbox"/> Shading lines, pale, rough and blurred. Figures: _____</p> <p>12. NUMBERS, LETTERS, & REFERENCE CHARACTERS: 37 CFR 1.84(c). <input checked="" type="checkbox"/> Non legible reference characters not plain and legible. <input type="checkbox"/> Figures: <u>h-45, 5A-60</u> <input type="checkbox"/> Figure legends are poor. Figures: _____ <input type="checkbox"/> Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(c)(1). <input type="checkbox"/> Figures: _____ <input type="checkbox"/> English alphabet not used. 37 CFR 1.84(c)(2). <input type="checkbox"/> Figures: _____ <input type="checkbox"/> Non legible letters and reference characters must be at least .02 in (0.5 mm) in height. 37 CFR 1.84(c)(3). <input type="checkbox"/> Figures: _____</p> <p>13. LEADING LINES: 37 CFR 1.84(c). <input type="checkbox"/> Features cross each other. Figures: _____ <input type="checkbox"/> Features missing. Figures: _____</p> <p>14. NUMBERING OF SHEETS OF DRAWINGS: 37 CFR 1.84(c). <input type="checkbox"/> Sheet not numbered consecutively, and in Arabic numerals. <input type="checkbox"/> Figures: _____</p> <p>15. NUMBERING OF VIEWS: 37 CFR 1.84(c). <input type="checkbox"/> View not numbered consecutively, and in Arabic numerals. <input type="checkbox"/> Figures: _____</p> <p>16. CORRECTIONS: 37 CFR 1.84(c). <input type="checkbox"/> Corrections not made from prior PTO-948 dated: _____</p> <p>17. DESIGN DRAWINGS: 37 CFR 1.152. <input type="checkbox"/> Surface shading shown not appropriate. Figures: _____ <input type="checkbox"/> Solid black shading not used for color contrast. <input type="checkbox"/> Figures: _____</p>
<p>COMMENTS:</p>	

REVIEWER J. CHAFFIN DATE 9-20-02 TELEPHONE NO. 703 305 8940

ATTACHMENT TO PAPER NO. _____

NOTICE OF DRAFTSPERSON'S PATENT DRAWING REVIEW

The drawings filed (insert date) 4-11-01 are:

A. ☐ approved by the Draftsperson under 37 CFR 1.84(c) or 1.152.

B. ☒ corrected by the Draftsperson under 37 CFR 1.84 or 1.152 for the reasons indicated below. The Examiner will require submission of new, corrected drawings when necessary. Corrected drawing must be submitted according to the instructions on the back of this notice.

<p>1. DRAWINGS: 37 CFR 1.84(a). Acceptable categories of drawings: Black ink: Color _____ Color drawings are not acceptable until petition is granted. Figs(s) _____ Pencil and non black ink not permitted. Figs(s) _____</p> <p>2. PHOTOGRAPHS: 37 CFR 1.84(b). 1 full-tone set is required. Figs(s) _____ Photographs may not be mounted. 37 CFR 1.84(c). Poor quality (half-tone). Figs(s) _____</p> <p>3. TYPE OF PAPER: 37 CFR 1.84(c). Paper not flexible, strong, white, and durable. Figs(s) _____ Erasures, alterations, overwritings, interlineations, fold, copy machine marks not accepted. Figs(s) <u>4A, 4B</u> Mylar, velum paper is not acceptable (too thin). Figs(s) _____</p> <p>4. SIZE OF PAPER: 37 CFR 1.84(f). Acceptable sizes: 21.0 cm by 29.7 cm (DIN size A4). 21.6 cm by 27.9 cm (8 1/2 x 11 inches). All drawing sheets not the same size. Sheet(s) _____ Drawing sheets not an acceptable size. Figs(s) _____</p> <p>5. MARGINS: 37 CFR 1.84(g). Acceptable margin(s): Top: 2.5 cm; Left: 2.5 cm; Right: 1.5 cm; Bottom: 1.0 cm. SIZE: A4 Size Top: 2.5 cm; Left: 2.5 cm; Right: 1.5 cm; Bottom: 1.0 cm. SIZE: 8 1/2 x 11 Margins not acceptable. Figs(s) <u>2-3, 4C</u> Top: (T) _____ Left: (L) _____ Right: (R) _____ Bottom: (B) _____</p> <p>6. VIEWS: 37 CFR 1.84(h). REMINDER: Specification may require revision to correspond to drawing changes. Partial views: 37 CFR 1.84(h)(2). Brackets needed to show figure as one entity. Figs(s) _____ Views not labeled separately or properly. Figs(s) _____ Enlarged view not labeled separately or properly. Figs(s) _____</p> <p>7. SECTIONAL VIEWS: 37 CFR 1.84(h)(3). Hatching not indicated for sectional portions of an object. Figs(s) _____ Sectional designation should be noted with Arabic or Roman numbers. Figs(s) _____</p>	<p>8. ARRANGEMENT OF VIEWS: 37 CFR 1.84(i). Words do not appear on a horizontal, left-to-right fashion when page is either upright or turned so that the top becomes the right side, except for graphs. Figs(s) _____</p> <p>9. SCALE: 37 CFR 1.84(k). Scale not large enough to show mechanism without crowding when drawing is reduced in size to two-thirds in reproduction. Figs(s) _____</p> <p>10. CHARACTER OF LINES, NUMBERS, & LETTERS: 37 CFR 1.84(m). Lines, numbers & letters not uniformly thick and well defined, clean, durable, and black (poor line quality). Figs(s) <u>1A-4B, 6A</u></p> <p>11. SHADING: 37 CFR 1.84(m). Solid black areas pale. Figs(s) _____ Solid black shading not permitted. Figs(s) _____ Shade lines, pale, rough and blurred. Figs(s) _____</p> <p>12. NUMBERS, LETTERS, & REFERENCE CHARACTERS: 37 CFR 1.84(p). Numbers and reference characters not plain and legible. Figs(s) <u>1A-4B, 5A-6B</u> Figure legends are poor. Figs(s) <u>4A, 4B</u> Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(1). Figs(s) _____ English alphabet not used. 37 CFR 1.84(p)(2). Figs(s) _____ Numbers, letters and reference characters must be at least .32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3). Figs(s) _____</p> <p>13. LEAD LINES: 37 CFR 1.84(q). Lead lines cross each other. Figs(s) _____ Lead lines missing. Figs(s) _____</p> <p>14. NUMBERING OF SHEETS OF DRAWINGS: 37 CFR 1.84(r). Sheets not numbered consecutively, and in Arabic numerals beginning with number 1. Sheet(s) _____</p> <p>15. NUMBERING OF VIEWS: 37 CFR 1.84(u). Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Figs(s) _____</p> <p>16. CORRECTIONS: 37 CFR 1.84(w). Corrections not made from prior PTO-948 dated _____</p> <p>17. DESIGN DRAWINGS: 37 CFR 1.152. Surface shading shown not appropriate. Figs(s) _____ Solid black shading not used for color contrast. Figs(s) _____</p>
<p>COMMENTS</p>	

REVIEWER J. CHASE DATE 5-29-02 TELEPHONE NO. 703 305 8430

ATTACHMENT TO PAPER NO. _____

BEST AVAILABLE COPY